

**Reinstatement of Lake Effect Snow Warning
and addition of "Impacts" bullet in Winter product suite
Product Description Document**

Part I - Mission Connection

- a. Product/Service Description - Add "Impacts" bullet to all current Winter Weather products (Watches, Warnings and Advisories) to follow a "What", "Where", "When", "Impacts", "Additional Details" and "Precautionary/Preparedness Actions" order.

Reinstate Lake Effect Snow Warning which was previously consolidated into Winter Storm Warning. The LE.W VTEC will now be reinstated. For Weather Forecast Offices (WFO) that do not wish to use the Lake Effect Snow Warning, there will still be the option to issue a Winter Storm Warning and include information about the Lake Effect Snow hazard in the "What" section of the product text.

- b. Product Type - Operational

- c. Purpose - Partner feedback following the consolidation of Lake Effect Snow Warning into Winter Storm Warning during the 2017-2018 winter season indicated that this change resulted in some confusion for non-lake effect snow events. The reinstatement of Lake Effect Snow Warning will once again allow WFOs to issue a separate product for the Lake Effect Snow hazard.

Extensive partner and public feedback has indicated that the "Watch, Warning, and Advisory" (WWA) product text would benefit from the addition of an "Impacts" bullet. This change is part of the broader Hazard Simplification (Haz Simp) reformatting effort which seeks to simplify and clarify WWA product text.

- d. Audience - The target audiences for this product are customers and partners such as emergency managers, state and local officials including school superintendents, departments of transportation, media and the general public.
- e. Presentation Format - These are text based products which appear over the WWA page and all other standard dissemination methods. Some are sent via NOAA Weather Radio and the Emergency Alert System.

Customer comments or questions on the proposed new products may be addressed to hazsimp@noaa.gov.

Part II - Technical Description

- a. Format and Science Basis - The format is described in Part I under "Presentation Format." As for the scientific basis, forecasters will use available tools to determine the risk of these hazards occurring in their areas and issue according to criteria and expected impacts.
- b. Availability - These products will be available at all times and issued when criteria are met.

Examples below:

Lake Effect Snow Warning reinstatement

Winter Storm Warning with Lake Effect Snow information in the "What" section

404

WWUS41 KBUF 081931

WSWBUF

URGENT - WINTER WEATHER MESSAGE
National Weather Service Buffalo NY
231 PM EST Tue Jan 8 2018

NYZ012-019-020-085-090345-
/O.NEW.KBUF.WS.W.0001.190109T0600Z-190110T2300Z/
Wyoming-Chautauqua-Cattaraugus-Southern Erie-
Including the cities of Warsaw, Jamestown, Olean, Orchard Park,
and Springville
231 PM EST Tue Jan 8 2018

...WINTER STORM WARNING IN EFFECT FROM 1 AM WEDNESDAY TO 6 PM EST
THURSDAY...

- * WHAT...Heavy lake effect snow expected. Total snow accumulations of up to 2 feet expected in the most persistent lake snows. Winds gusting as high as 40 mph causing areas of blowing snow.
- * WHERE...Wyoming, Chautauqua, Cattaraugus, and Southern Erie counties.
- * WHEN...From 1 AM Wednesday to 6 PM EST Thursday.
- * ADDITIONAL DETAILS...Travel could be very difficult to impossible. Areas of blowing snow could significantly reduce visibility. The hazardous conditions could impact the morning or evening commute.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Heavy snow will fall in relatively narrow bands. If traveling, be prepared for rapidly changing road conditions and visibilities.

Submit snow reports through our website or social media.

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Lake Effect Snow Warning as a separate product

404

WWUS41 KBUF 081931

WSWBUF

URGENT - WINTER WEATHER MESSAGE
National Weather Service Buffalo NY
231 PM EST Tue Jan 8 2018

NYZ012-019-020-085-090345-
/O.NEW.KBUF.LE.W.0001.190109T0600Z-190110T2300Z/
Wyoming-Chautauqua-Cattaraugus-Southern Erie-
Including the cities of Warsaw, Jamestown, Olean, Orchard Park,
and Springville
231 PM EST Tue Jan 8 2018

...LAKE EFFECT SNOW WARNING IN EFFECT FROM 1 AM WEDNESDAY TO 6 PM EST
THURSDAY...

* WHAT...Heavy lake effect snow expected. Total snow accumulations
of up to 2 feet expected in the most persistent lake snows.
Winds gusting as high as 40 mph causing areas of blowing snow.

* WHERE...Wyoming, Chautauqua, Cattaraugus, and Southern Erie
counties.

* WHEN...From 1 AM Wednesday to 6 PM EST Thursday.

* ADDITIONAL DETAILS...Travel could be very difficult to
impossible. Areas of blowing snow could significantly reduce
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or evening commute.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

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Addition of "Impacts" Bullet

Winter Storm Warning without "Impacts" bullet

969

WWUS43 KGRB 062052

WSWGRB

URGENT - WINTER WEATHER MESSAGE
National Weather Service Green Bay WI

252 PM CST Sun Jan 6 2019

WIZ011>013-021-070400-

/O.UPG.KGRB.WW.Y.0001.190107T0600Z-190107T1800Z/

/O.NEW.KGRB.WS.W.0001.190107T0600Z-190107T1800Z/

Forest-Florence-Northern Marinette County-Northern Oconto County-
Including the cities of Crandon, Aurora, Commonwealth,
Spread Eagle, Niagara, Wausaukee, Mountain, Lakewood,
and Townsend

252 PM CST Sun Jan 6 2019

...WINTER STORM WARNING IN EFFECT FROM MIDNIGHT TONIGHT TO NOON
CST MONDAY...

* WHAT...Heavy snow expected. Total snow accumulations of 5 to 7
inches expected.

* WHERE...Forest, Florence, Northern Marinette County and
Northern Oconto County Counties.

* WHEN...From midnight tonight to noon CST Monday.

* ADDITIONAL DETAILS...Plan on slippery road conditions. The
hazardous conditions could impact the morning commute.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

If you must travel, keep an extra flashlight, food and water in your
vehicle in case of an emergency.

The latest road conditions for the state you are calling from can
be obtained by calling 5 1 1.

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Winter Storm Warning with "Impacts" bullet

969

WWUS43 KGRB 062052

WSWGRB

URGENT - WINTER WEATHER MESSAGE

National Weather Service Green Bay WI

252 PM CST Sun Jan 6 2019

WIZ011>013-021-070400-

/O.UPG.KGRB.WW.Y.0001.190107T0600Z-190107T1800Z/

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* IMPACTS...Plan on slippery road conditions. The
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